

Dielectric Resonator ; $D > L$

Fig. 1

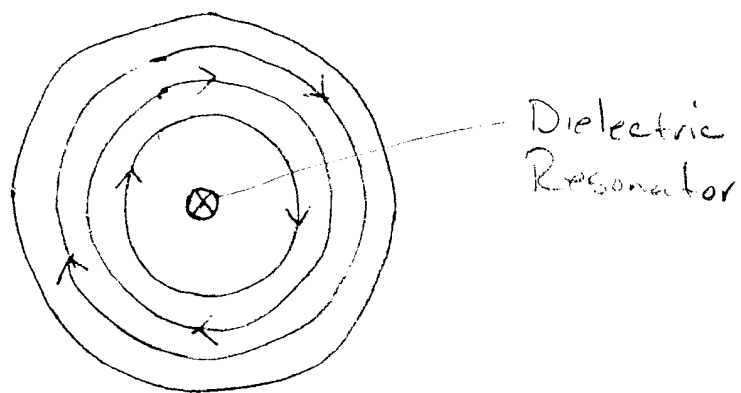


Fig 2

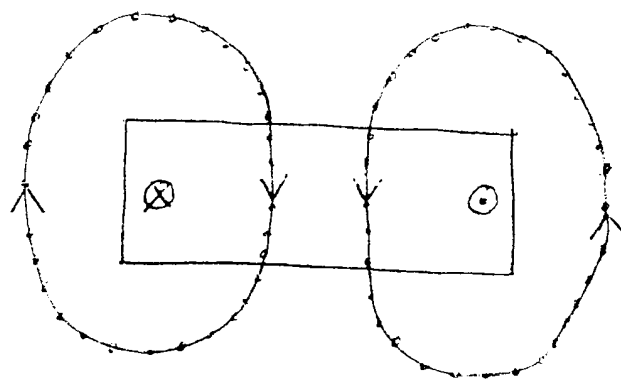


Fig. 3

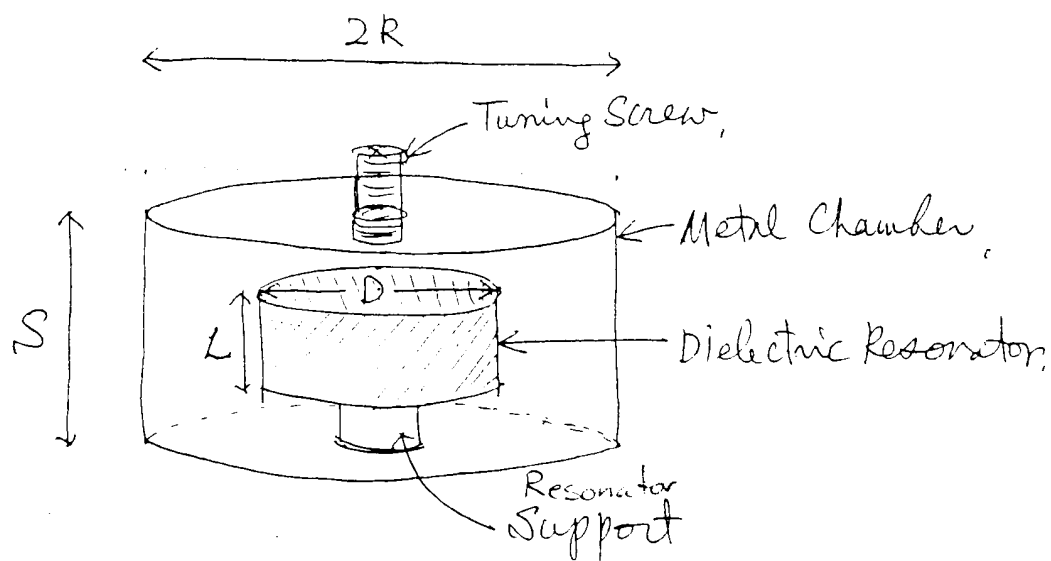
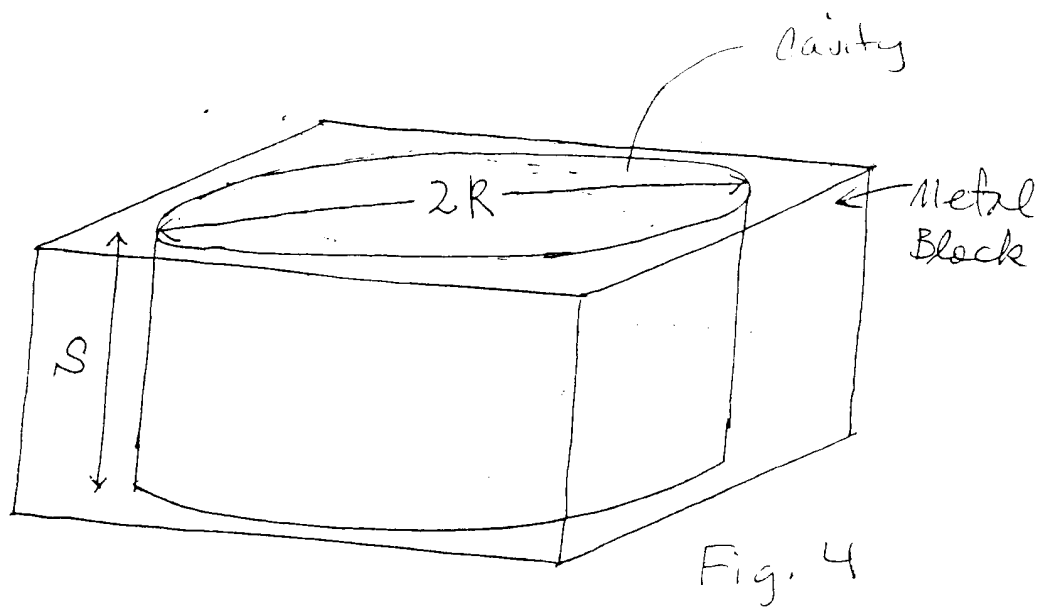
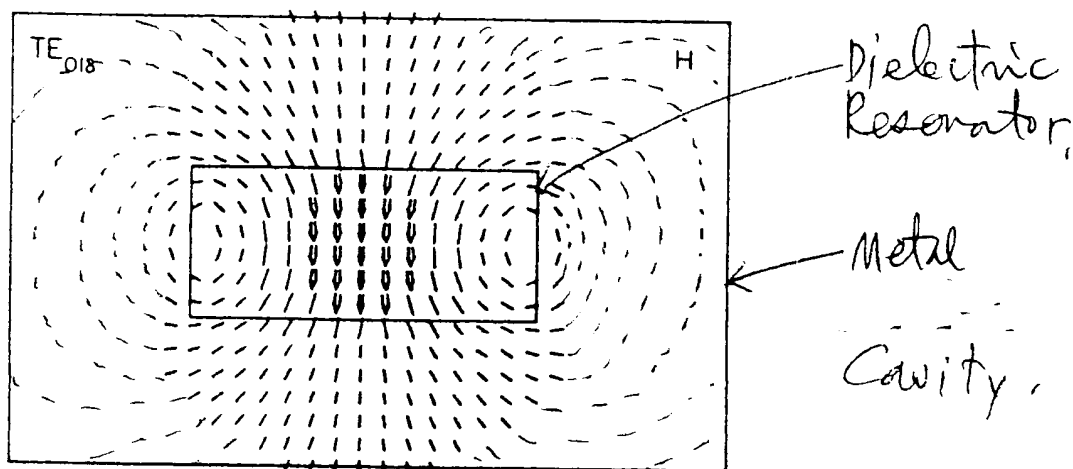
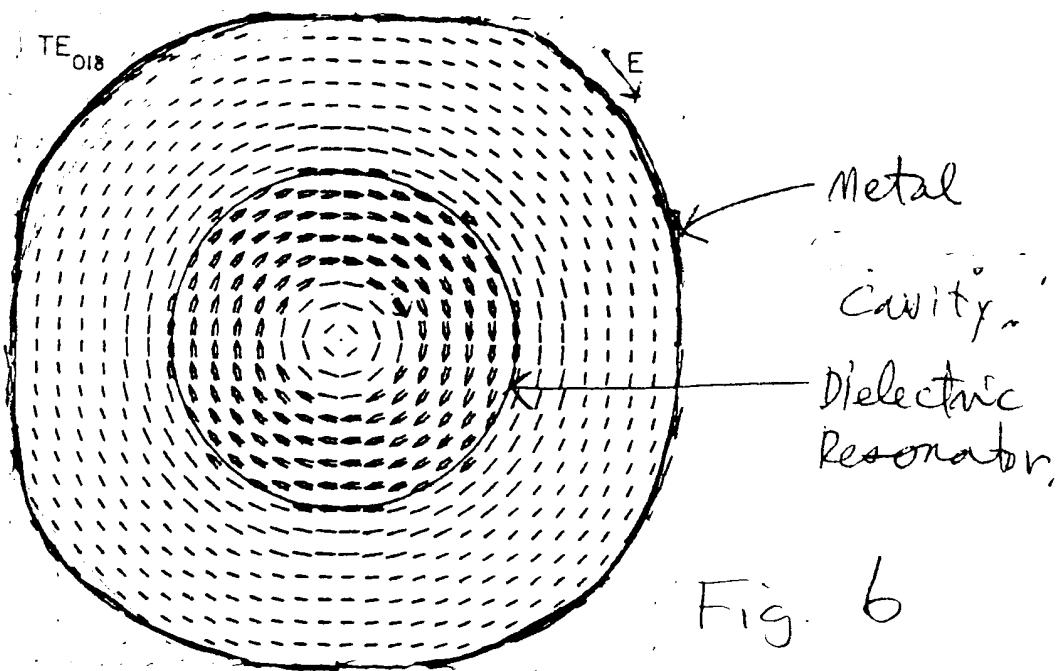


Fig. 5



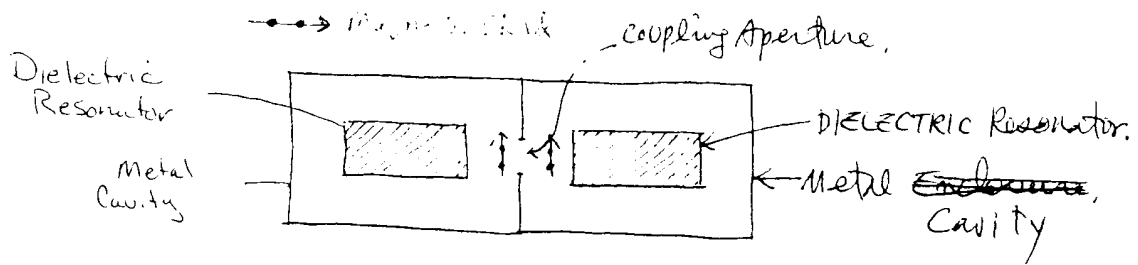


Fig. 8

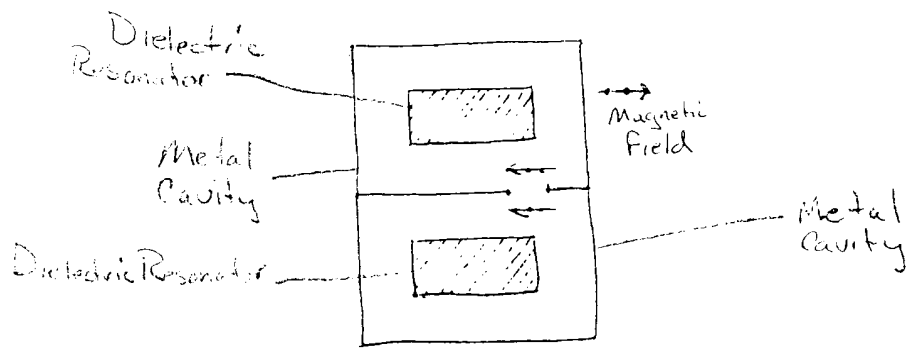


Fig. 9

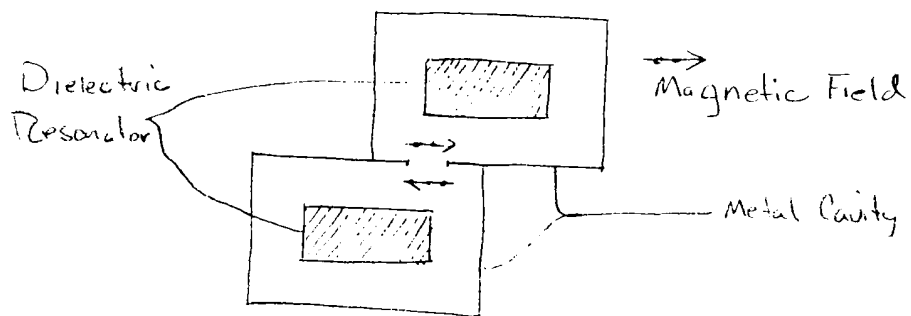


Fig. 10

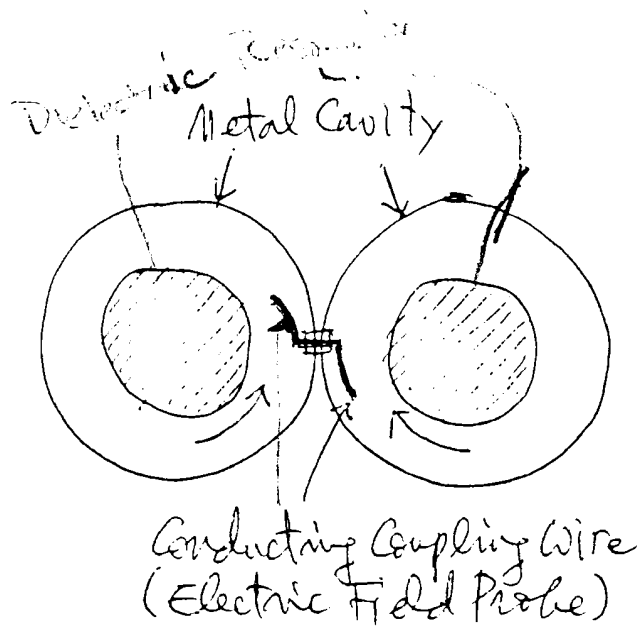


Fig. 11

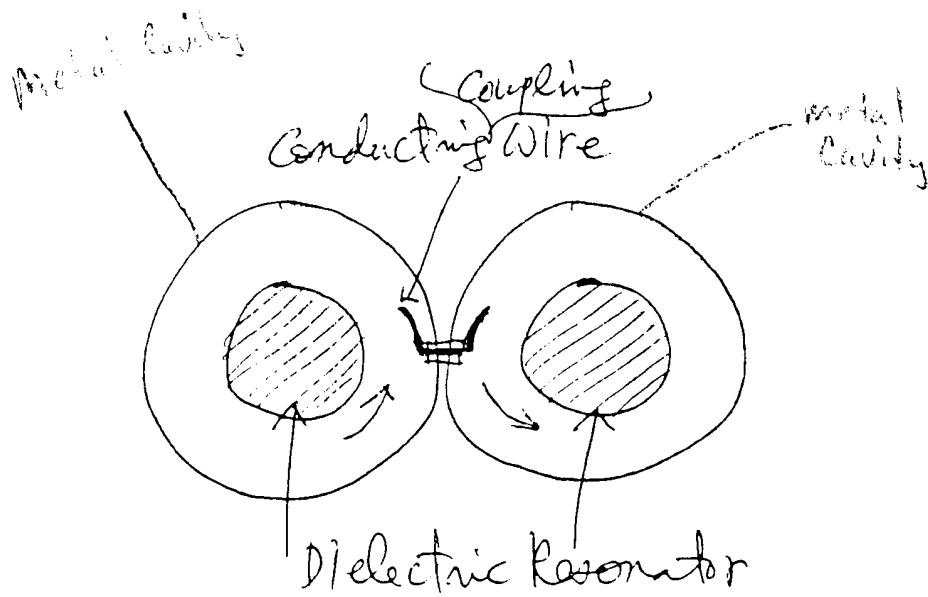


Fig. 12

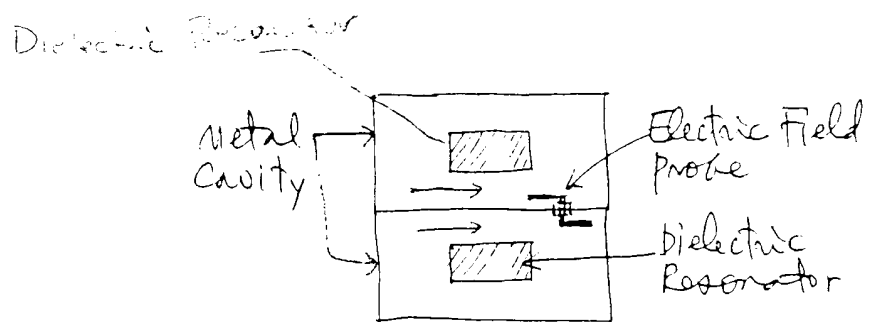


Fig 13

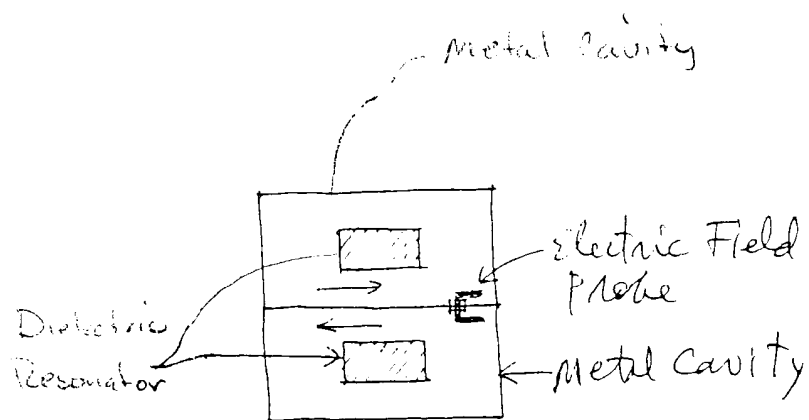


Fig. 14

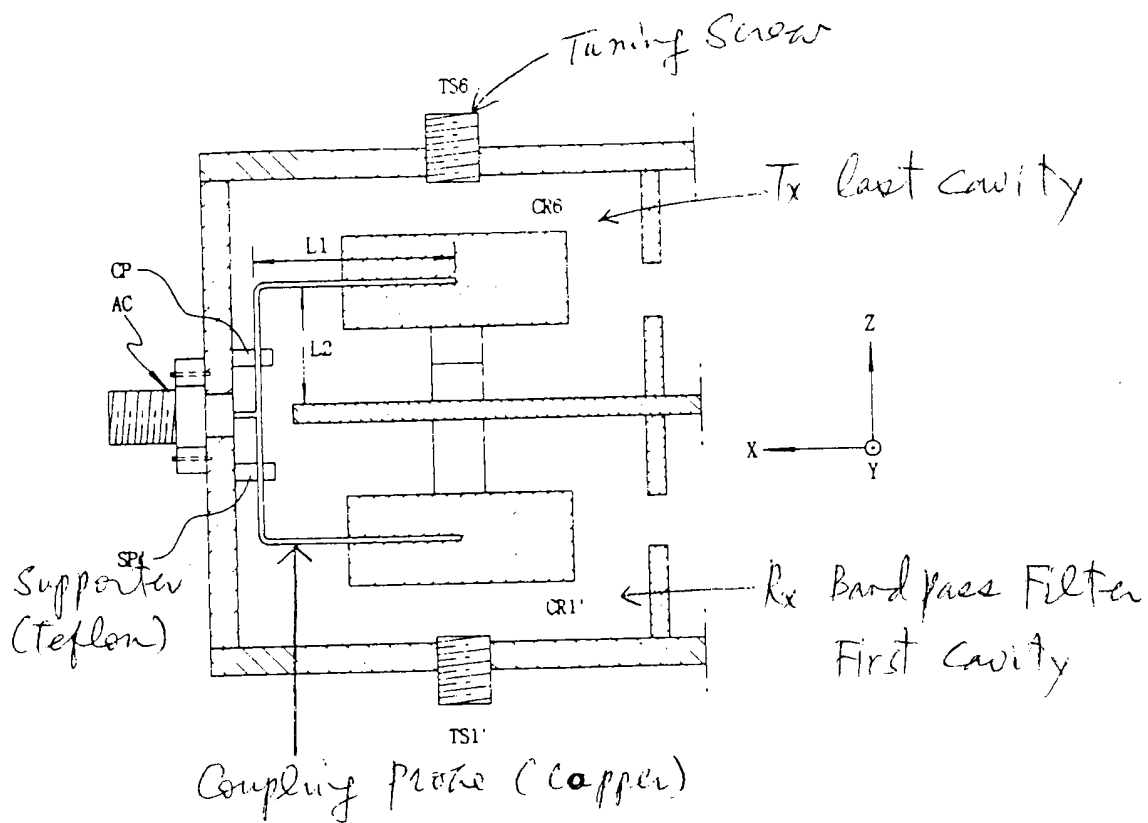


Fig 15

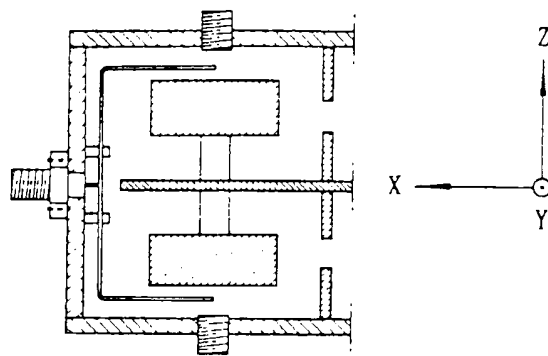


Fig. 16

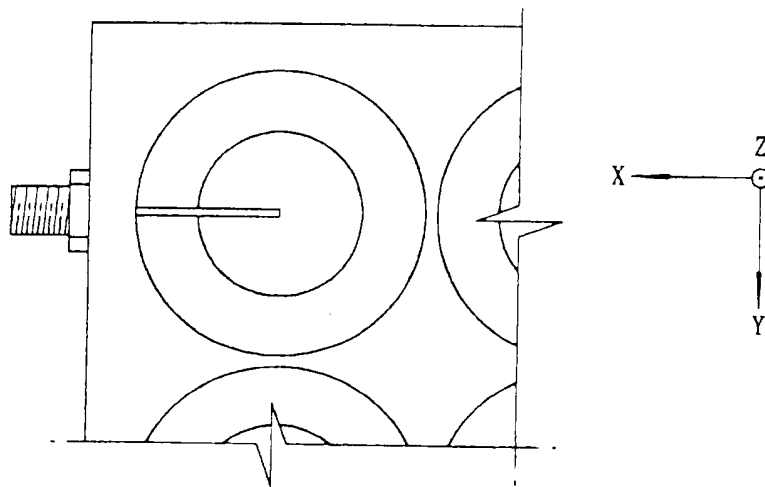


Fig. 17

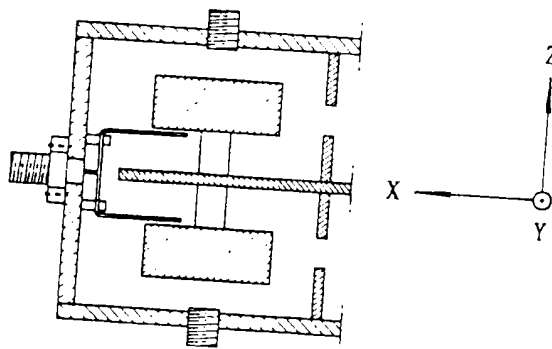


Fig. 18

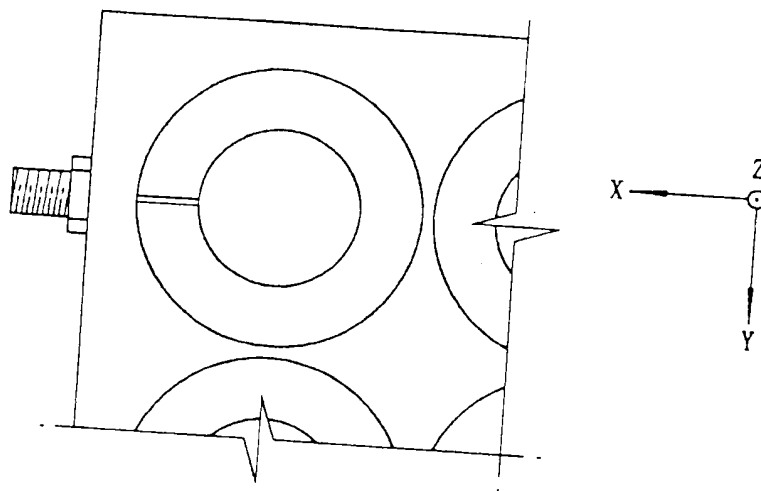


Fig. 19

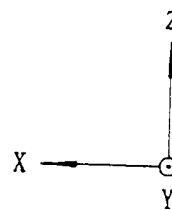
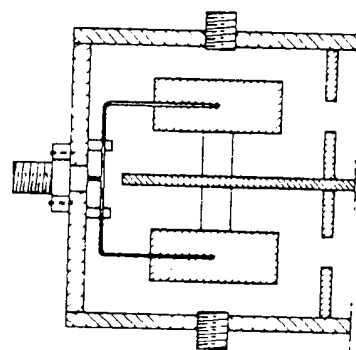


Fig. 20

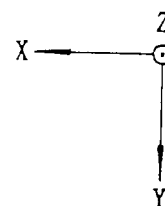
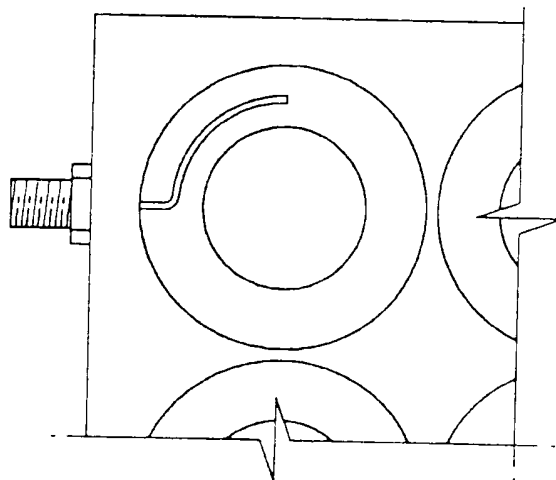


Fig. 21

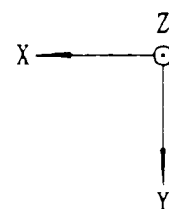
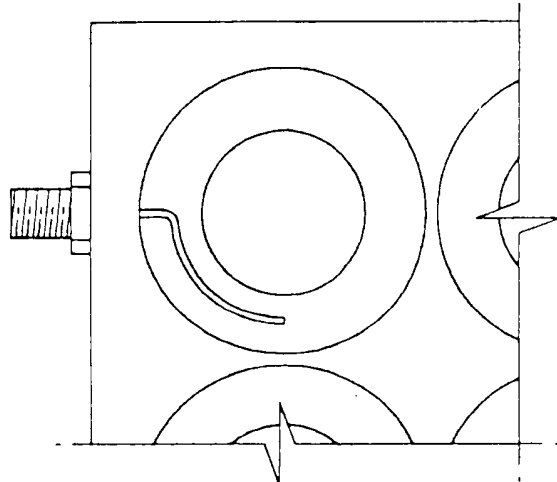
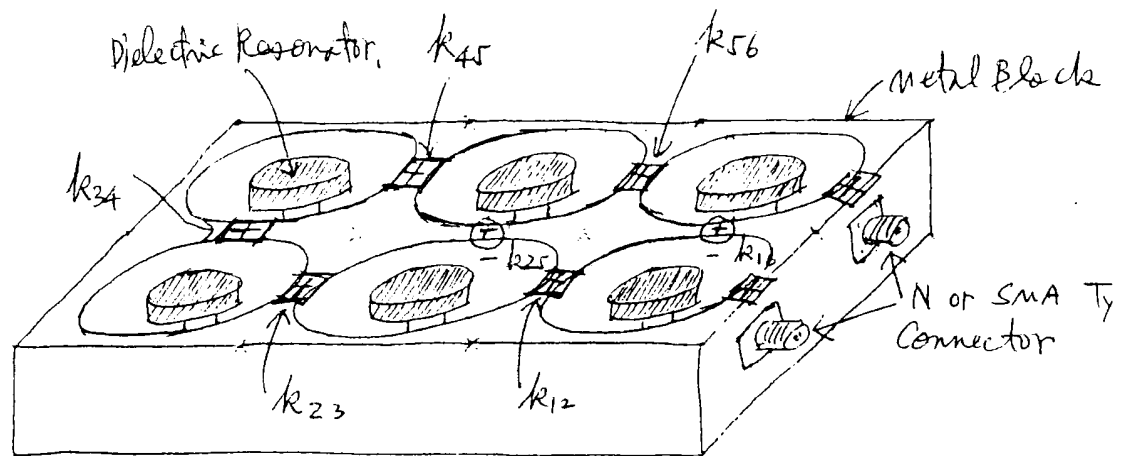


Fig. 22



$\boxed{\oplus}$: POSITIVE IRIS OR ELECTRIC FIELD PROBE COUPLING
 \oplus : NEGATIVE ELECTRIC FIELD PROBE COUPLING

Fig. 23

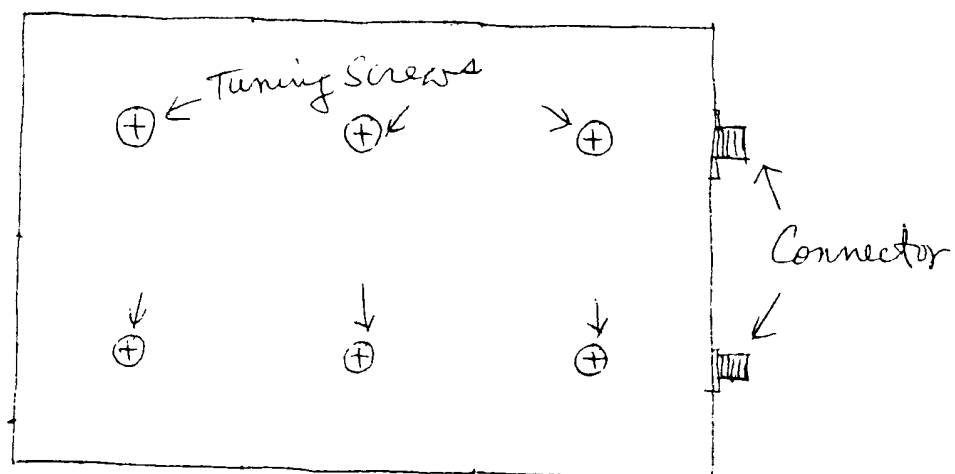
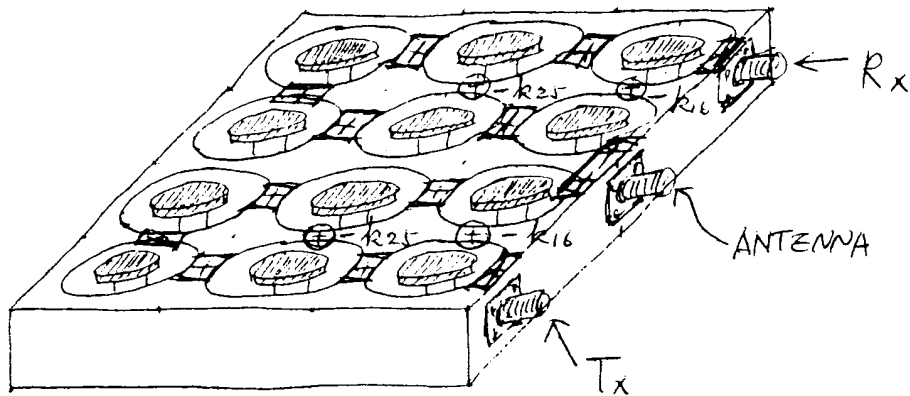


Fig 24



- $\boxed{++}$: IRIS or Electric Field Probe Antenna Coupling.
 $\boxed{+}$: Positive IRIS or Electric Field Probe Coupling
 \oplus : Negative Electric Field Probe Coupling.

Fig 2.5

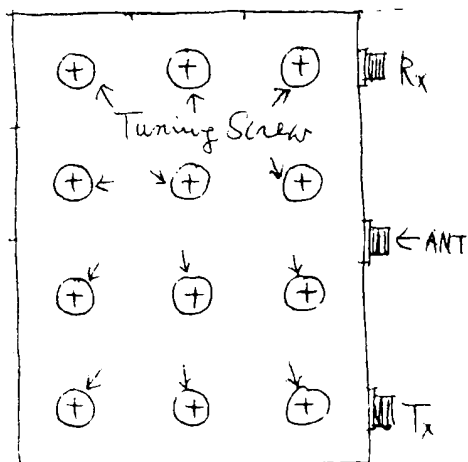


Fig. 2.6

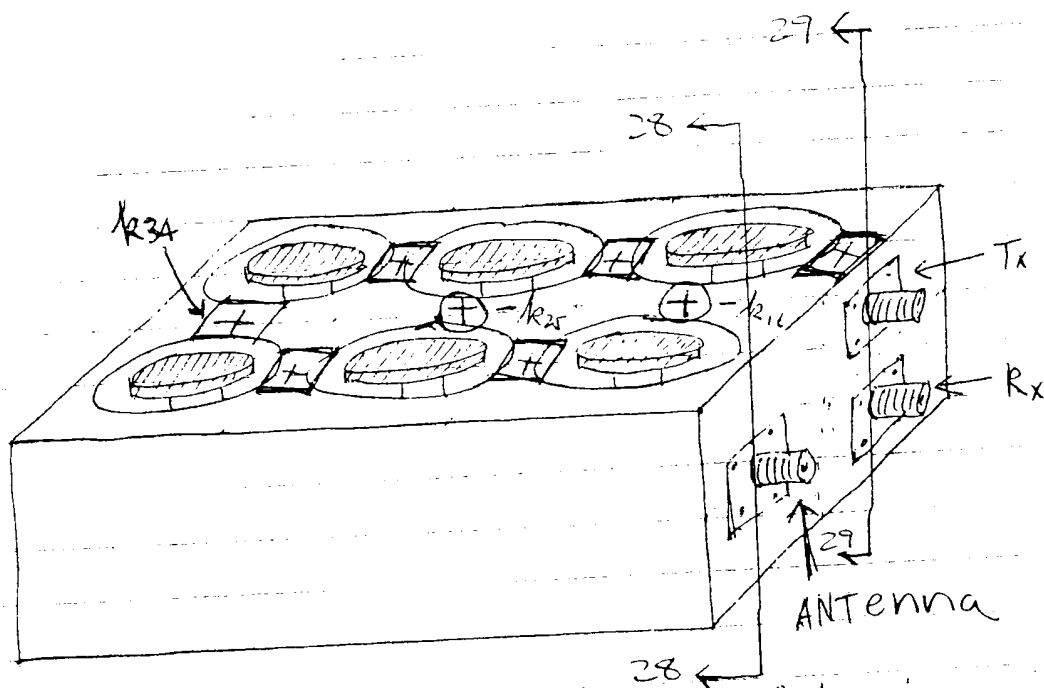


Fig. 27

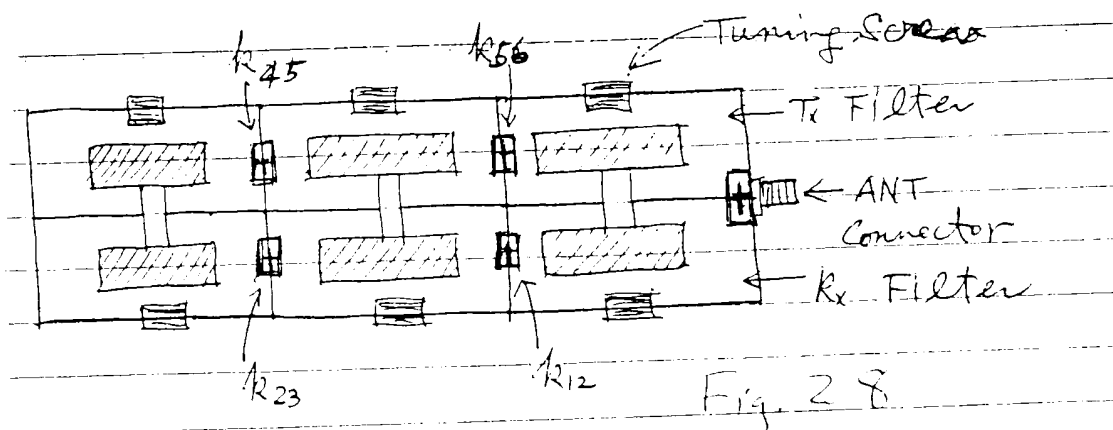
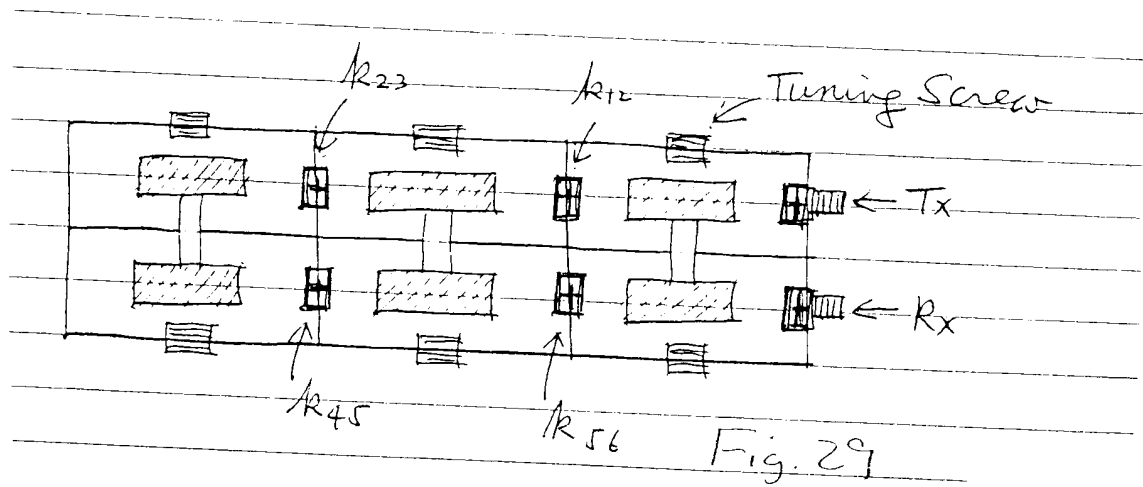


Fig. 28



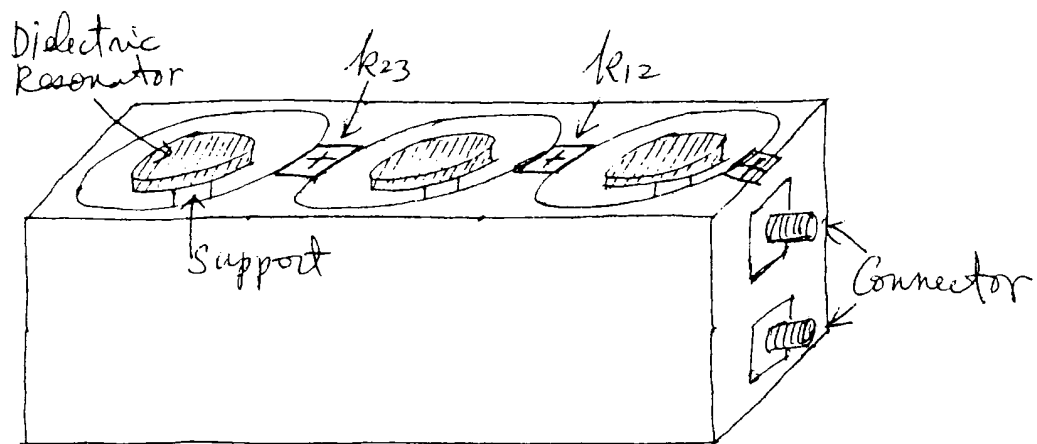


Fig. 30

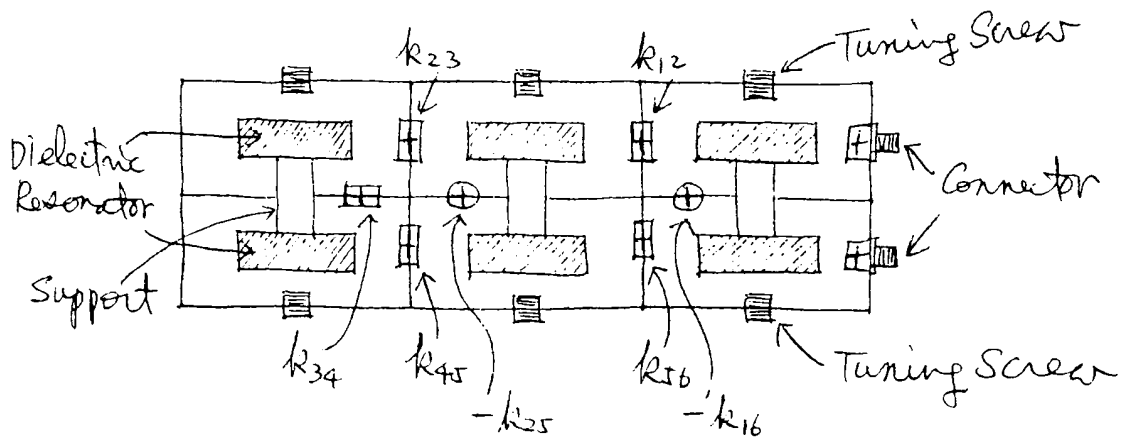


Fig. 31

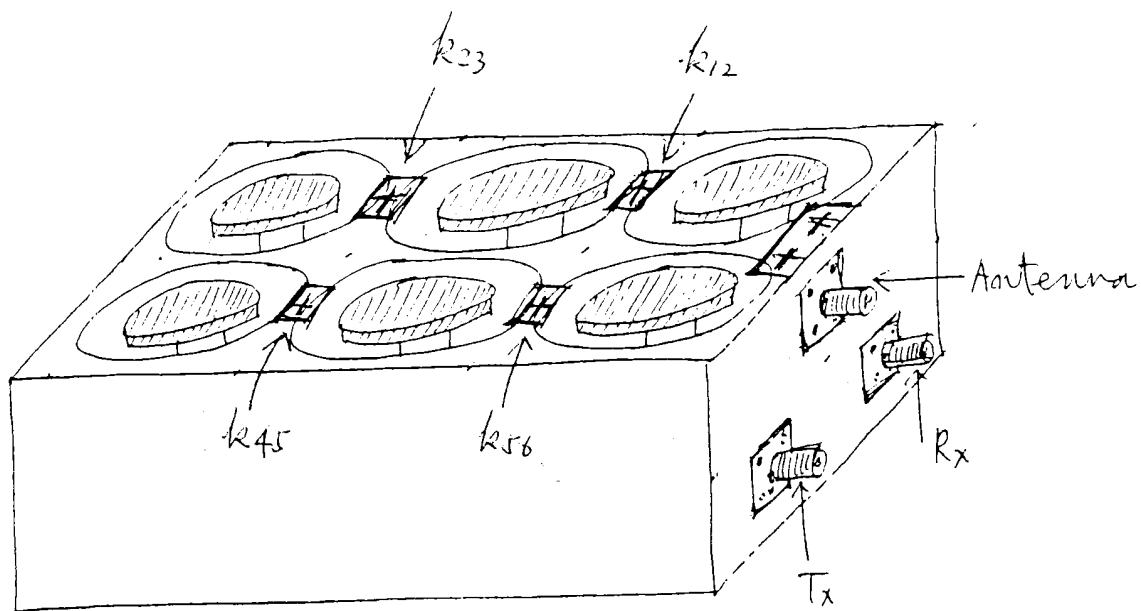


Fig. 32

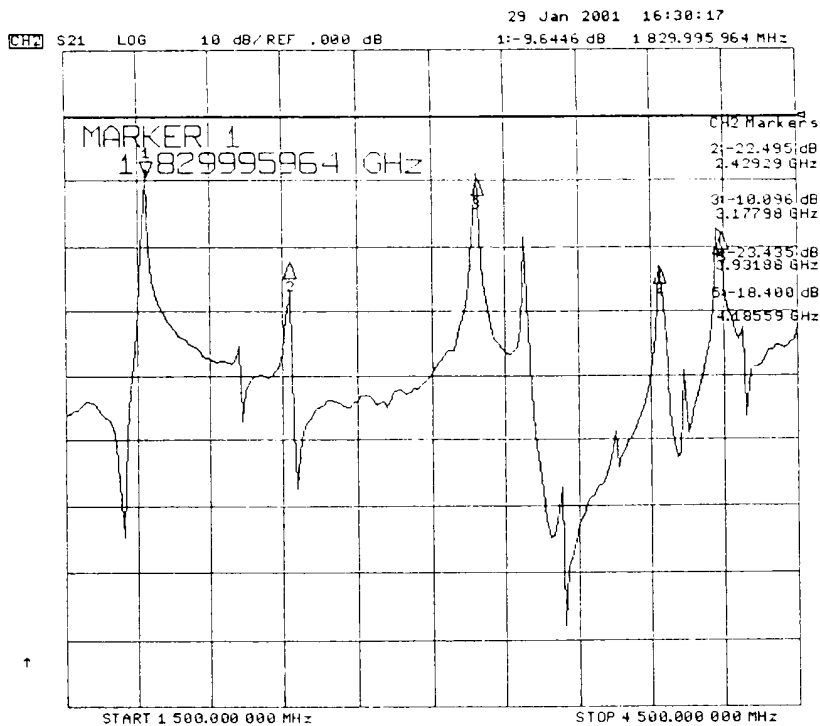
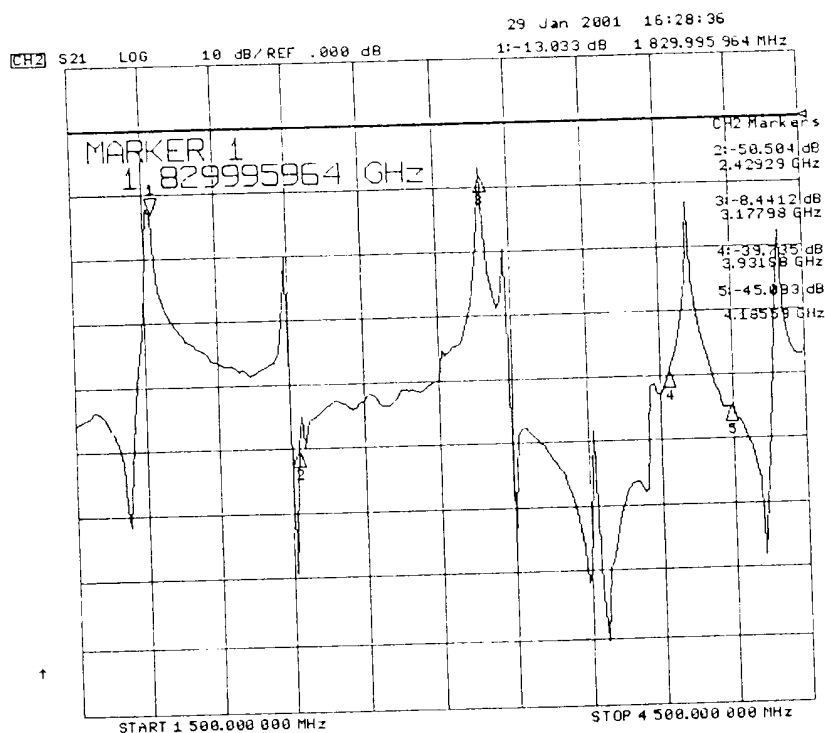
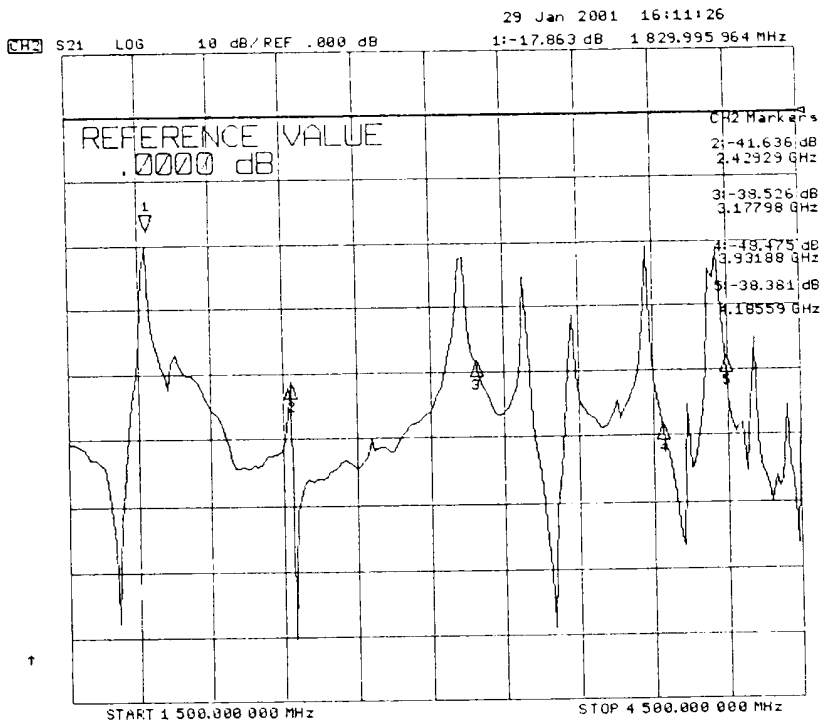


Fig. 33 Frequency response of D.R.1 loaded C1.
D.R.1 = Dielectric Resonator of $D=2.8\text{ cm}$, $L=1.4\text{ cm}$
and C1 = Metal cavity of $2R=7.5\text{ cm}$, $L=3.75\text{ cm}$



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Fig. 14. Frequency response of D.R. 2 loaded C 1,
D.R. 2 = Dielectric Resonator of $D = 3 \text{ cm}$ and $L = 1.17 \text{ cm}$,
and C 1 = Metal Cavity of $2R = 7.5 \text{ cm}$ and $S = 3.25 \text{ cm}$



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Fig. 35. Frequency response of D.R.1 loaded C2.
D.R.1 = Dielectric Resonator of $D=2.8$ cm and $L=1.4$ cm,
and C2 = Metal Cavity of $2R=8$ cm and $B=4$ cm

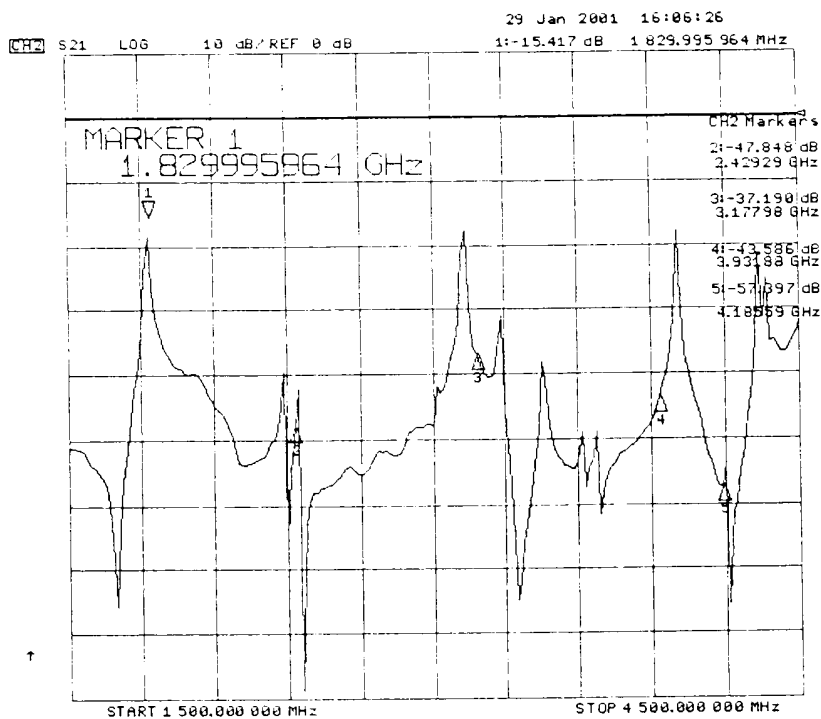


Fig. 36. Frequency response of D.R. & C2.
 D.R. = Dielectric Resonator of $D = 3 \text{ cm}$ and $L = 1.17 \text{ cm}$
 and C2 = Metal Cavity of $2R = 8 \text{ cm}$ and $r = 4 \text{ cm}$